

JAMESTOWN WWTF

Jamestown's wastewater treatment facility does not employ primary treatment, its designers opting for a process known as "extended aeration" that uses full treatment in its aeration basins. Built in 1980, Jamestown's plant is located on Taylor Point, just north of the Pell (Newport) Bridge. The final discharge is in Narragansett Bay's East Passage. In 1995 the town received approval and began to use a portion of its treated effluent as irrigation water for the town-owned golf course. 3 operators staff the facility.



Superintendent:
Address:

Glenn Hunter
Jamestown Sewer Division
44 Southwest Avenue
Jamestown, RI 02835
423-7295

Telephone #:



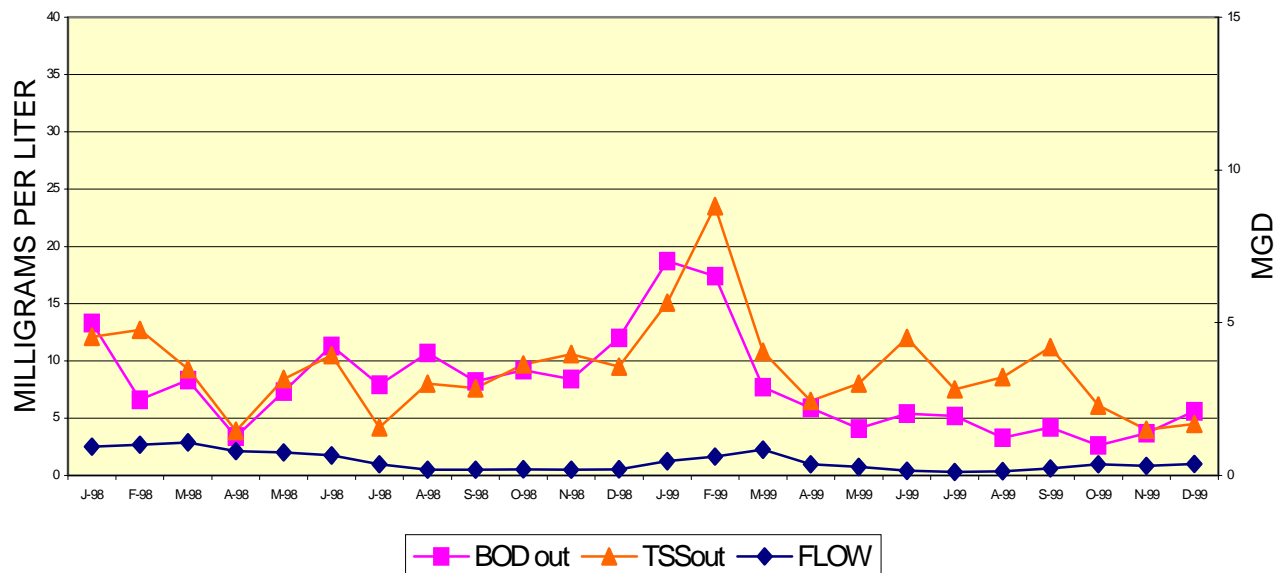
CURRENT AND FUTURE CONCERNS

Jamestown's current permit expired on September 1, 1999, however, it remains in force until a new permit has been issued by RIDEM. (The town has submitted a timely application and the permit drafting process is underway). Re-issuance is scheduled for calendar year 2000. No significant changes are anticipated and the plant is in compliance with all water quality based limits. Currently, nutrient removal is not planned for this facility.

Overall Treatment: Good

Having five monthly violations for flow in 1998 (January through May) one monthly violation for flow in 1999 (March), and no violations in BOD, TSS or fecal coliform, Jamestown received a rating Good.

JAMESTOWN EFFLUENT DATA - 1998/1999



BEGAN OPERATION 1980

ANNUAL SURVEY

Operations & Maintenance

PARAMETER	1996	1997	1998	1999	PERMIT LIMIT	VIOLATIONS 1998/1999
FLOW (MGD)	0.6	0.4	0.5	0.4	0.73	5/1
BOD INFLUENT (MG/L)	223.5	257.9	234.3	291.6		
BOD EFFLUENT (MG/L)	10.1	8.0	8.9	7.0	30	0/0
BOD INFLUENT (LBS./DAY)	817.3	673.3	682.1	664.1		
BOD EFFLUENT (LBS./DAY)	49.1	29.6	38.8	25.2		
BOD % REMOVAL	92.8	95.6	94.3	96		
TSS INFLUENT (MG/L)	209.7	214.0	276.7	318.8		
TSS EFFLUENT (MG/L)	8.4	7.1	8.9	9.8	30	0/0
TSS INFLUENT (LBS./DAY)	746.4	565.4	800.0	748.8		
TSS EFFLUENT (LBS./DAY)	39.3	21.1	42.1	32.4		
TSS % REMOVAL	93.6	96.0	94.7	95.7		
FECAL COLIFORM (MPN/100ML)	4.5	3.8	4.1	4.8	200.0	0/0
CHLORINE RESIDUAL (MG/L)			1.3	1.4	2.0*	0/1

*Daily Maximum Limit

JAMESTOWN 1986-1999 DATA

The DEM is monitoring progress relating to an ongoing issue of dramatic increases of flow to the plant during and after rain storms. The Narragansett Avenue Pump Station has been upgraded with the replacement of a larger pump, which is anticipated to reduce the likelihood of future overflows. Further investigation by the Town and State will likely result in future upgrades and replacements of its collection system.

1998 O&M Rating: 6 out of 10

1999 O&M Rating: 7 out of 10

1998 Laboratory Rating: 3 out of 5

1999 Laboratory Rating: 5 out of 5

Overall O&M Rating: Fair

1998 SLUDGE DISPOSAL METHOD

Composting/Landfill Cover

SLUDGE PRODUCED

55 DRY TONS

1999 SLUDGE DISPOSAL METHOD

Incineration (NETCO)/Composting

SLUDGE PRODUCED

42/5 DRY TONS

Through most of 1998 and 1999, the facility operated its own sludge composting facility which was located at the Town's landfill. The finished compost was disposed of by spreading it on the surface of the landfill. In 1999, the compost facility was closed and sludge was then disposed of at the NETCO-operated incinerator in Woonsocket.

